

Radiotelescope for 10 cm. Wave length with a
Hooking Beam (Directivity Pattern). by I.
Moiserv

RUSSIAN, par, Is Vysshikh Uchebnykh Zavedeni,
Radiofizika, No 3, Vol I, pp 159-161. 1958

C.S.I.R.O. 4560

Sci

SLA 62-17461

Apr 60

115,331

(2415-N)

Feasibility of Determining Distribution Functions of
Scatterers on an Agitated Sea Surface by the Radar
Method, by S. Ya. Braude, F. G. Bass, 3 pp.

RUSSIAN, par, Izvestiya Vysshikh Uchebnykh Zavedeniy,
Radiofizika, Vol I, No 3, 1958, pp 161, 162.

JP28 1614-N

Sci - Electronics
Jan 59

88,158

Variations in the Modulation of Strong Radio
Waves in a Plasma (Ionosphere) by A. V.
Gurevich, 24 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Radiofiz
No 4, 1958, pp 21-31. 9670304

PTD-TT-61-534

Sci - Elec

Oct 63

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On the Possibility of Constructing a Sealed-Beam
Molecular Oscillator Using ND_3 , NH_2D , and NHD_2
Molecules, by N. G. Basov, A. N. Oraevskiy. 9 pp.

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Vol I, No 4, 1958, pp 63-68

Navy Tr 35831/AFL 364

Sci - Electron, Phys
Sep 63

OTS 63-11723

344,170

The Theory of Cross-Modulation of Radiowaves, by
A. V. Gurevich, 21 pp.
RUSSIAN, per, in Vysokich Ucheb Zaved, Radiofiz.
Vol 4, No 4, 6, 1958, pp 17-28. 9127518
NADA TT F-259

Sci-Fbys
Jun 65

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On the Stability of π Oscillations in a Molecular
Generator, by Kh. Yu. Khaldre, R. V. Khokhlov, 10 pp.

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Vol I, No 5/6, 1958, pp 60-65.

Navy Tr 3543/APL 384

Sci - Phys
Sep 63

OTS 63-11717

344,163

On the Spectral Line Width of Three-Level
Quantum Generator, by A. N. Malakhov,
V. M. Fain, 13 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved
Radiofizika, Vol I, No 5/6, 1958,
pp 66-74.

Navy Tr 3551/APL 389

OTS TT-64-11537

Sci - Phys
Sep 63

344,164

Non-Linear Effects in Magneto-Active Plasma, by
V. V. Zheleznyakov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Radiofiz,
Vol I, No 5/6, 1958, pp 29-33.

*FTD-TT-61-277

Sci - Phys, Electron

15 Nov 61

Fain, V. M. ON THE THEORY OF THE COHETRON. [1962] 13p. 13 refs. Order from OTS or SLA \$1.60 62-10641 Trans. of Izv[estiya] Vysshikh Uchebnykh Zavedenii. [Radiofizika] (USSR) 1958, v. 1, no. 5/6, p. 75-82. DESCRIPTORS: *Electromagnetic waves, *Generators Theory, Microwaves, Spins, Magnetic fields, Radio waves, Ferrites, Particles, Thermodynamics, Excitation, Very high frequency. Certain theoretical questions connected with the modes of operation of the cohетron (a generator of micro- radiowaves making use of the spontaneous radiation of spin systems in a magnetic field) are considered. (Author) (Physics--Electronics, TT, v. 8, no. 5)	62-10641 1. Title: Cohetron I. Fain, V. M. Office of Technical Services
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Radiofizika, Vol I, No 5/6, 1958, pp 83-87.

Navy Tr 3546/APL 382

OTS 63-11713

Sci - Phys
Sep 63

344,169

Radiotelescope for a 10 cm Wave Length
With a Rocking Beam (Directivity Pattern),
by I. G. Moiseyev.

RUSSIAN, per, Iz VUZ Radiofizika SSSR, 1958,
Vol I, No 9, pp 159-161.

SLA 60-17461

Sci

186, 932

Feb 62

1959

IZVESTIYA VUZ, RADIOFIZIKA
(Izvestiya Vuzov, Radiophysics - monthly)
Translation of 1959-1963, Vols. 2-6
and 1964, Vol. 7, No. 1, Vol. 8, No. 2
Order from: National Technical Information
Service
5285 Port Royal Road
Springfield, Virginia 22151
\$ 3.00 single issues

Ruso

TT-64-10799	
Rabinovich, M. L. DYNAMICS OF A SERVOMECHANISM WITH BACK- LASH AND INSERTION OF NONLINEAR COMPENSA- TION (Dinamika sledyashchei Sistemy s Lyuftom pri Vvedenii Nelineinoy Korrektsii). [1964] [30p] (foreign text included) 12refs Order from OTS, SLA, or ETC \$2.60 TT-64-10799 Trans. of #izvestiya Vysshikh Uchebnykh Zavedenii. Radiofizika (USSR) 1962, v. 5, no. 5, p. 998-1008. (Engineering, TT, v. 11, no. 12)	I. Rabinovich, M. L. Office of Technical Services

Mechanochemistry Research at the Moscow Technological
Institute for Light Industry, by L. P. Gaidarov.

RUSSIAN, par, Is VUZ Tekh Legk Prom, No 5, 1961,
pp 149-158.

RAFRA 946

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Sci - B Chem

Aug 62

(2214-N)

Traveling Wave Antenna With Controllable Directions
of Null Reception, by S. Ya. Braude, A. V. Men'
I. Ye. Ostrovskiy, 9 pp.

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MVO SSSR-Radiotekhnika, July/August 1958, pp 415-
416

US JPRS L-520-N

Sci - Electronics
Feb 59

81,360

Rectifiers on the Basis of Cadmium Iodide
Films, by M. M. Nekrasov, 12 pp.

RUSSIAN, per, Iz Vyss. Ucheb. Zaveda, Radiotekh
USSR, No 1, 1958, pp 43-48.

SLA 59-14251

Sci
Dec 59
Vol 2, No 4

102, 704

DIFFRACTION OF ELECTROMAGNETIC WAVES ON A
SEMI-INFINITE GRATING, by A. E. BEZMANOV,
27 p.

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1958, No 3, pp 271-287.

SIA 59-16561

Sci

Jan 60

Vol 2, No 6

103,759

1963-1964

IZVESTIYA VUZ, RADIOTEKHNIKA - bimonthly
(Izvestiya Vuzov, Radio Engineering)
Translation of 1963-1964,
Vol. 6-7-8 No. 2
Order from: National Technical Information
Service
5285 Port Royal Road
Springfield, Virginia 22151
\$ 3.00 single issues

Russ

VOL #1
1960

IZVESTIYA VUZ. TEKHNOLOGIYA TEKSTIL'NOI
PRMYSHLENNOSTI - bimonthly
(Technology of the Textile Industry USSR)
Translation begins with 1960,
Vol. 1, No. 1
Lag time: 10 months
Order from: The Textile Institute
10 Blackfriars Street
Manchester M3 5DR
1970: £ 12.00.0/year U.K.
£ 18.00.0/year overseas
£ 3.10.0 single issues U.K.
£ 4.10.0 single issues overseas
1971: £ 15.00.0/year U.K.
£ 22.50.0/year overseas
£ 3.16.0 single issues U.K.
£ 5.14.0 single issues overseas
Prices of back issues given on application.
Single article reprints not available.

*Russ
old*

Scientific Technical Conference of Workers in
the Footwear Industry (USSR), by A. A
Trubchaninov, 4 pp

RUSSIAN, per, Iz Vysshikh Ucheb Zaven^D Tekhnologiya
Legkoi Prom, No 2, 1962, pp 140-142.

NLL Tr Bulletin
Vol IV, No 10, 1962

Sci - Engr
Mar 63

Working Out the Construction of the Basic Components
of Regulation Clothing on the Basis of a New Method
of Construction of Coats From Material, by Ye. Kh.
Melikov, A. V. Savostitskiy. UNCLASSIFIED

Vysishch. Kachest. Zaved.
RUSSIAN, per, Izvestiya ~~402~~ - Tekhnologiya Legkoy
Promyshlennosti, No 1, 1960, pp 137-143.

*319th MI Bn H-7614
ID 2152361

USSR
Econ
Nov 60

Using Salt in Treating Clayey Soils for Construction
Under Winter Conditions, by S. B. Ukhov, 17 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Stroitel
Arkhitectura, No 1(7), 1959, pp 81-94.

ACSI H-6330
ID 2144839

USSR - Econ
Jul 1960

Agency: U.S. Army Cold Regions Res. & Eng. Lab.
 P.O. No.: 71-T-52 R-13394-D 1/7/71

Title: K Raschetu gruzopodberaznosti ledianogo
 poltrova pri stoianke gruzov na l'dy
 (On the determination of the carrying
 capacity of an ice cover for loads of
 long duration)

Author: Panfilov, D.F.

Source: Izvestia Vysshikh Uchebnykh Zavedenii
 Ministerstva Vysshogo i Srednego Spet-
 sialnog obrazovaniia SSSR, Stroitel'stvo
 i Arkhitektura 6:47-57, 1961

Language: Russian

The Thermodynamic and Diffusion Properties of
the Principal Constituents of Cement During Their
Hydration, by V. B. Ratinov.

RUSSIAN, per, Iz Vysishikh Ucheb. Zaved, Stroitel
Arkhitektura, # No 6, 1961, pp 134-145.

MLL Ref: 5196 1962 (1,111)
(loan)

236,082

Sci - M/M Jul 63

Approximate Determination of Stresses in a Rectangular Orthotropic Plate of Finite Dimensions During Symmetrical Compression by an Intermittent Load, by V. F. Bondin. 10 pp.

RUSSIAN, per, Izvestiya VUZ. Stroitel'stvo i Arkhitektura, No 4, 1962, pp 44-52.

AIR/FTD/IT-23-403-69

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jan 70

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Aerodynamics of Blocks of Flats, by F.L.
Serebrovskii.
RUSSIAN, per Izv. Vuz. Stroit. Arkhit, No. 3
1964, pp 100-109
NLL/5196 1965 (1239)

Sci -
Aug 67

337-547

Analysis of Thermal Protection Qualities of
Padded Insulation, by L. I. Tret'yakova, 11 pp.

RUSSIAN, per, Iz Vyschikh Uchebnykh Zavedeniy,
Tekh Legkoy Prom, No 1, 1958, pp 129-137.

319th MI Bn, E-3333

Sci - Engr

Sep 59

95,926

(NY-6568/2)

On the Scientific Work of the Chairs of the
Kiev Technological Institute of the Light
Industry, by N. N. Pozhidayev, 12 pp.

RUSSIAN, per, Iz Vozhob Zaved, Tekh Legkoy
Prom, No 6, 1959, pp 6-10.

JPRS 9348

165,434

USSR
Econ
Sep 61

(NY-6568/3)

Certain Results of the Work of the Ukrainian
Scientific-Research Institute of the Leather
and Shoe Industry, by G. V. Libyy, 17 pp.

RUSSIAN, per, Iz Vysshykh Ucheb Zaved,
Tekhn Legkoy Promyshlennosti, No 6, 1959,
pp 11-17.

JPRS 9849

164,398⁷

BSSR
Econ
Aug 61

(SF-1344)

Nikolay Vladimirovich Chernov, 3 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved Tekh Legkoy
Promyshlennosti, No 6, 1959, pp 126-128.

JPRS 4356

USSR

Biog

Feb 61

Strzhalkovskaya, V. V. and Yefremov, Ye. D.
SPEEDS POSSIBLE WITH DISC-LIKE THREAD-
TENSIONING DEVICES. [1961] 4p. (2 figs. omitted).
Order from OTS or SLA \$1.10 61-14539

Trans. of Izvestiya Vysshikh Uchebnykh Zavedeniy.
Tekhnol[ogiya i. tekhnol. Promyshlennosti] (USSR) 1960,
no. 1(14) p. 105-110.

DESCRIPTORS: *Threads, Tensile properties

Each construction of the disk-like thread-tensioning device has, for a given type of thread, a certain velocity limit v of the thread passing through the device. The thread movement through the tensioning device with a velocity higher than v causes a rapid increase in the breakage frequency, whereby the thread breaks probably in places where it is not technologically necessary. By reducing the mass of those parts of the tensioning device, which are driven by the thread, it is possible to improve considerably the performance of the device and (Materials--Textiles, TT, v. 6, no. 3) (over)

61-14539

I. Strzhalkovskaya, V. V.
II. Yefremov, Ye. D.

175206

Office of Technical Services

SECRET
DC
1,754/70
5 Mar 70SF
Two-Reflector Antenna with Automatic Phasing and
an Experimental Study of it by A.L.Ayzenberg,

per, Radioelektronika, izv. VUZ MV 1 SSO SSSR,
Kiev, Vol. X. No. 2, 1967, pp. 93-102,
publish ad hoc,
repro graphics,

per- do not mutilate,

Modern Microelectronics and Its Prospects,
by A. G. Alekstenkov, B. V. Malin.
RUSSIAN, per, Izv VUZ Radiotekh, Vol 11,
No 7, 1968, pp 661-678.
NASA TT F-12,163

Sci-Elec
June 69

383,225

Range-Measuring Digital Servo-Radar System, by
D. N. Panov, T. A. P'yavchenko.
RUSSIAN, per, Izv. VUZ. Radiotekhnika, Vol 12, No 5,
1969, pp 480-487.
Dept of Navy APL/JHU T-2399

Sci/Nav
Apr 70

405,582

General Solution of the Equations of Equilibrium
for Anisotropic and Isotropic Bodies, by
E. N. Balda, 19 pp.

RUSSIAN, per, ~~2~~ In Vysshikh Ucheb Zaved Strojsvo
i Arkhitektura, No 6, 1958, pp 17-27. 9689084

DDC RSIC-48

Sci - Phys
Nov 63

OTS 63 - 34264
243,496

On the Determination of Vertical Settling of the
Boundary of a Half-Space in the Case of Planar
Deformation (A Dynamic Problem), by
N. N. Borodachev, 9 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Stroitel
i Arkhitektura, Vol VI, 1958, pp 70-75. 9669144

DDC RSIC-9

SWA 63-19698

Sci - Earth Sci & Ast
Jun 63

232,017

Transverse Bending of Rectangular Plates Fixed in
an Elastic Supporting Frame, by I. I. Slezinger.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved Stroitel
Arkhitektura, No 1, 1958, pp 87-97.

NIL M 3888

Sci - Phys
Mar 63

225,425

On the Flexasms in the General Solution of
Equilibrium Equations of an Anisotropic Body in
Displacement, by E. N. Bayda, 16 pp.

RUSSIAN, per, Iz Vyskikh Ucheb Zaved, Stroitel i
Arkhitektura, No 1, 1959, pp 27-37. 9683348

DDC RSIC-10

075 63-19564

Sci - Phys
Jun 63

234,577

63-18385

Monastyrskaya, M. S., Pavlov, S. A., and
Skornyakova, T. A.
OBTAINING VAPOR-PERMEABLE FILMS FROM
CARBOXYLIC LATEXES. [1963] 8p. (figs. tables omit-
ted) 6 refs.
Order from OTS or SLA \$1.10 63-18385

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
Tekhnologiya Legkoi Promyshlennosti (USSR) 1960,
no. 4[17] [p. 39-45].

DESCRIPTORS: *Elastomers, *Latex, *Plastic films,
*Acrylic resins, Acrylic acids, Methyl radicals,
Esterification, Colloids, *Plastic films, Moisture,
Vapors, Permeability, *Glycols, *Artificial leather.

The optimum conditions for mixing glycol with carbox-
ylic-containing polymers in latexes, resulting in the
formation of durable films, were found. It was indi-
cated that the vapor-permeability of films, like their
(Materials--Elastomers, TT. v. 10, no. 11) (over)

I. Monastyrskaya, M. S.
II. Pavlov, S. A.
III. Skornyakova, T. A.

Office of Technical Services

(NY-5986)

Effects of Fillers on the Radiation Resistance of
Plasticized Polyvinyl Chloride, by L. P. Yanova,
M. S. Monastyrskaya, S. A. Pavlov, T. T.
Gorbateva, 12 pp.

RUSSIAN, per. Iz Vysshikh Ucheb Zaved, Tekh
Legkoy Prom, No 4, 1960, pp 46-52.

JPRS 9076

Sci - Chem

May 61

154,199

R-5531-D
8 July 1965

Classification of Edger of Clothing Items

by: I.V. Orlov From: IZV VYSSH UCHEV ZAV-TEKHNOLOGIYA
LECKOY PROMISLENNOSTI No 3, 1961 pp 116-120 (5pp)

Russian est for wds:

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N 20

(DX:4700)

Certain Methods of Measuring Labor
Productivity in Light Industry, by
L. B. Pevsakhzon, 27 pp.

RUSSIAN, per, Izvestiya Vysshikh
Uchebnykh Zavodov: Tekhnologiya
Lagov Proryadnosti, No 5, 1961,
pp 3-16.

JPRS 13135

190,894

USSR
Econ
Apr 62

Interaction of Active Dichlorotrinitride Dyes
with Capron Fibre, by I. Ay Kalontarov,
A. A. Kharkharov, 8 pp.
FOR OFFICIAL USE ONLY
RUSSIAN, per, Iz VUZ Tekh Lekoy Prom, No 5,
1961, pp 48-54. 9698490
EFTC 381-165-330

Sci - Phys
Nov 65

2191,340

Limiting Wear in Mechanisms, by A. D. Nevskiy, 21 pp.
21 pp. FOR OFFICIAL USE ONLY
RUSSIAN, per, Iz VUZ Tekh Legkoy Prom, No 5,
1961, pp 98-116. 9698490
FSTC 381-T65-330

Sci - Eng
Nov 65

291-342

CLASSIFICATION OF ~~TOP SECRET~~ ~~SECRET~~ ~~CONFIDENTIAL~~
I. V. Orlov.
RUSSIAN, per, Iz Vyssh Ucheb, Zav Tekh Lerkoy
Prom, No 3, 1962, pp 116-120.
ACM I-7381
ID 2104024365

Sci - M/M
Jul 45

FSTC 381-T65-329

9698141

For OFFICIAL use only

The Study of the Process of Forming
Clothing Components From Fabric, by
Ye. A. Ivanova, A. V. Savostitskiy.
17 pp FOR OFFICIAL USE ONLY
RUSSIAN, per, Iz VUZ Tekh Legkoy Prom.
No 4, 1962. 9698152
FSTC 381-765-323

Sci-
Oct 65

290,256

The Sewing Industry, by E. A. Iyloova.
RUSSIAN, per, Iz Vyssh Ucheb Zaved Tech
Leskov Prom, No 4, 1962, pp 108-118.
*ACSI I-7375
ID 2204028765

USSR
Econ
Jul 65

Determining Thermal Qualities of Clothing, by
L. I. Tret'yakova.
RUSSIAN, per, Iz Vyssh Ucheb Zaved-Tech Legkoy
Prom, No 6, 1962, pp 67-72.
FACEL 1-7375
ID 2204023765

USSR
M/m
Jul 65

Determining the Tension of Thread in Process
of Forming Chain Stitches, by I. S. Stezhkov.
RUSSIAN, per, Iz Vyssh Ucheb Zaved-Tech
Legkoy Prom, No 6, 1962, pp 73-81.

ACSI 1-7375
ID 2204023765

Sci - Engr
Jul 65

Methods of Reconstructing the Drafting Unit of
Soviet-Made Speed Frames for Uneven Blends, by N. I.
Shilova.

RUSSIAN, per, Izvest Vuz T kh Teks Prom, No 1, 1963,
pp 65-71

GB 112,TR/458

Sci -

Aug 67

336,699

Investigation of the Process of Washing Out
Expanding Agents from Carboxyl-Containing
Rubbers, by I. A. Shtern, I. V. Plotnikov, 7 pp.
FOR OFFICIAL USE ONLY
RUSSIAN, per, Iz VUZ Tekh Logkoy Prom, No 2,
1965, pp698490
RSTC 381-T65-330

Sci - Chem
Nov -5

291,3484

Influence of the Medium on the Deformation of
Stretched Fabrics and on the Components of
Deformation, by A. I. Koblyakov, 8 pp.

FOR OFFICIAL USE ONLY

RUSSIAN, per, Iz VUZ Tekh Legkoy Prom, No 2,
1963, pp 3-10. 9698490

ISTC 381-T65-330

Sci - Phys
Nov 65

291,343

The Problem of Dissolving and Reconstituting
Collagen, by A. A. Golovteyeva,
I. S. Shestakova, 19 pp.
RUSSIAN, per, Iz Vyssh Ucheb Zaved Tech Leg
Prom, No 4, 1963, pp 73-83.
CIA/FDD XX-1734
NO FOREIGN DISSEM

Sci
Aug 65
USIB Internal Use Only

287,609

Contact Thermal-Diffusion Moistening of Foot-
wear Uppers, by S. A. Kabysheva,
G. P. Bulatov, 5 pp.
FOR OFFICIAL USE ONLY
RUSSIAN, per, Iz VUZ, Tekh. Legkoy Prom., No 2,
1963, pp 93-97. 9698490
FSTC 381-765-330

Sci - Elec
Nov 65

291,341

The Problem of Dissolving and Reconstituting
Collagen, by A. A. Golovtseyeva,
I. S. Shestakova, 9 pp.
RUSSIAN, per, Iz Vyssh Ucheb Zaved, Tekh
Leg Prom, No 5, 1963, pp 62-67.
CIA/FDD XX-1733
NO FOREIGN DISSEM

Sci
Aug 65
USIB Internal Use Only

287,610

Certain Questions of the Cyanoethylation,
Carboxylations, Alkylation and Acylation
of Gelatin, by N. S. Sorokina, et al.
RUSSIAN, Izvestiya VUZ, Tekhnologiya,
1963, Vol 3, pp 70-75.
NLL RTS 2643 (On Loan or Purchase)

Aug 65

287,024

The Effect of Moisture Linkages of Various Types on
Thermophysical Properties of Certain Cotton Fabrics,
by N. I. Salivovon and M. F. Kazanskiy, 11 p.
RUSSIAN, per, Izvestiya VUZ Tekhnologiya Legkoi
Promyshlennosti, No 1, 1964, pp 48-53.
NLL RTS-3173

Sci-M&M
Jun 66

304,131

Kuz'min, L. M., Finkel'steyn, I. I. and others.
A STUDY OF THE WORK OF A SAW-TOOTH
CYLINDER IN THE FRONT SECTION OF A SINGLE-
PROCESS OPENING MACHINE, WITH FEED FROM A
TABLE. [1961] 6p. (2 figs. omitted). T.M.M. (Re-
search) Ltd. Trans. TR/270; [DSIR LLU] M 2287.
Order from OTS or SLA \$1.10 61-13769

Trans. of [yavfestiya] V[yashikh] U[chebnykh]
Z[avedeniya]. Tekhnologiya Tekstil'soyl
Prom[yashennosti] (USSR) 1958 [v. 2] no. 2(3) p. 94-99.

DESCRIPTORS: *Cotton, Processing, Machines,
*Cylindrical bodies, Tests.

The saw-tooth cylinder with mote-knife when fed by a
feed table with one feed roller removes considerably
more trash with less good fibre than when fed by a pair
of feed rollers. (Author)

(Materials--Textiles, TT, v. 6, no. 1)

61-13769

- I. Kuz'min, L. M.
- II. Finkel'steyn, I. I.
- III. TMM-TR/270
- IV. DSIR LLU M.2287
- V. T.M.M. (Research) Ltd.
(Gr. Brit.)

161679

Office of Technical Services

(NY-3120).

80th Birthday of Prof V. P. Dobychin, 2 pp.

RUSSIAN, per, Iz Vs Ucheb Zaved, Tekh, Tekstil
Prom, No 4, 1958, pp 182-183.

JPRS-L-1106-N

Sci - Misc
Jan 60

Calculation of the Number of Machines Per
Operator, by G. Kolobrodov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tekh
Tekstil Prom, No 3, 1959, pp 11-19.

CSIRO 5365

OTS 61-28650

207,620

Sci - Engr
Jul 62

Deterioration of Tent Fabric in Various Climatic
Conditions, by N. V. Kalugin, 19 pp. UNCLASSIFIED
RUSSIAN, per, Tekh Tekstil Prom (Izvestiya VUZ),
No 3, 1959, pp 19-25.

ACSI H-6421
ID 2144833

Sci - Engr
Jul 60

119 761

15 670

GE-1

PROTASOVA V. A.

Methods of investigating uniformity of stretch by means of
radioactive isotopes

Methodik zur Erforschung der Streckungsgleichmässigkeit
mit Hilfe von radioaktiven Isotopen

Izv. Vysshikh Uchebn. Zavod., Tekhn., Tekst. Prom., No. 3,
88-95 (1959)

German

E u r a t o m

Rev. 1.1.1.1

Khuan, Tse-mo.
CARDING ENGINE WITH ONE WORKING FOR
PROCESSING VISCOSE STAPLE FIBRE. [1961] 4p.
T. M. M. (Research) Ltd. Trans. TR/269; [DSIR LLU]
M 2288.
Order from OTS or SLA \$1.10 61-13770

Summary trans. of Izv[estiya]. V[ysishikh] U[chebnykh]
Z[avedeniy]. Tekh[nologiya] Tekst[il'noy]-
Prom[yshlennosti] (USSR) 1959 [v. 3] no. 4(11)
p. 71-74.

DESCRIPTORS: *Cellulose, Fibers, Processing,
Machines, Tests.

The ChMM-450 small dimension machine with reduced
speeds and reduced number of flats is quite satisfac-
tory for processing staple fibre. Another simplifica-
tion of this machine is also possible in which the flats
are replaced by a single worker roller.

(Materials--Textiles, TT, v. 6, no. 1)

61-13770

I. Khuan, Tse-mo
II. TMM-TR/269
III. DSIR LLU M. 2288
IV. T. M. M. (Research) Ltd.
(Gt. Brit.)

161680

Office of Technical Services

Mizonov, Ye. D.
 POSSIBILITY OF SPINNING ON A BARE SPINDLE.
 [1961] 16p. (7 figs. omitted) 6 refs. T.M.M. (Research) Ltd. Trans. TR/268; [DSIR LLU] M 2289.
 Order from OTS or SLA \$1.60 61-13771

Trans. of Izv[estiya] V[ysshikh] U[chebnykh] Z[avedeniy]. Tekhnologiya Tekh[ul'noy] Prom[yshlennosti] (USSR) 1959 (v. 3) no. 4(11) p. 75-85.

DESCRIPTORS: *Cotton textiles. Textiles.

A device on the spinning frame was tested which allows the thread to be wound on to the bare spindle or a very fine bobbin during spinning. The spindle of the spinning frame is made square or triangular with a constant cross-section. On to the spindle is threaded a very light disk of special form with a hole in the center corresponding to the spindle outline. The disk rotates together with the spindle and has the same angular velocity. The bottom surface of the disk bears on nose of the cop and, as the latter grows, moves up along (Materials--Textiles, TT, v. 6, no. 1) (over)

61-13771

- I. Title: Spinning
- I. Mizonov, Ye. D.
- II. TMM-TR/268
- III. DSIR LLU M. 2289
- IV. T.M.M. (Research) Ltd. (G. Brit.)

161681

Office of Technical Services

61-12678

Roskin, Ye. S., Kharkharov, A. A., and Fel', V. S.
 DYEING SYNTHETIC FIBERS. PT. 7. THE PROBLEM OF INCREASING THE DYEING PROPERTIES OF NITRON (ORLON) FIBER BY PRELIMINARY TREATMENT WITH AQUEOUS SOLUTIONS OF CALCIUM CHLORIDE AND ZINC CHLORIDE. [1960]

4p.
 Order from ATS \$6.60

ATS-16M46R

Trans. of Izvestiya Vysshikh Uchebnykh Zavedeniy Tekhnol. (61) [Tekstil'noy Promyshlennosti] (USSR) 1959 [v. 3] no. 6(13) p. 104-106.

151514

(Materials--Textiles, TT, v. 5, no. 8)

1. Synthetic fibers--Processing
2. Orlon--Processing
3. Dyes--Applications
1. Roskin, Ye. S.
- II. Kharkharov, A. A.
- III. Fel', V. S.
- IV. Title: Problem...
- V. ATS-16M46R
- VI. Associated Technical Services, Inc., East Orange, N. J.

ATS 1R7-2984

Office of Technical Services

Sankov, Ye. A. THE INFLUENCE OF MICROORGANISMS ON THE TENSILE STRENGTH OF COTTON FIBRES AND COTTON GOODS (Vliyaniye Mikroorganizmov na Prochnost' Khlopkovykh Volokon i Izdelii iz Nih). Feb 61 (10p. 3 refs. RTS 1625. Order from LC or SLA mi\$1.80, pb\$1.80 61-15917 Trans. of Izvestiya Vysshikh Uchebnykh Zavedeniy. Tekhnologiya Tekstil'noy Promyshlennosti (USSR) 1959 (v. 3) no. 9(2), p. 37-45. 151989 (Materials--Textiles, TT, v. 3, no. 9)	61-15917 1. Cotton textiles--Tensile properties 2. Cotton textiles--Storage 3. Microorganisms--Physical effects I. Sankov, Ye. A. II. RTS-1625 III. Department of Scientific and Industrial Research (Ox. Brit.) Office of Technical Services
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61-15175

Protasova, V. A.
INVESTIGATION OF IRREGULARITY DUE TO
DRAWING BY MEANS OF RADIO-ISOTOPES
(Metodika issledovaniya Nerovnoty ot Vytyagivaniya s
Pomosch'yu Radioaktivnykh Izotopov) tr. by M. Slade.
[1960] [14p. (foreign text included) 3 refs. Trans.
no. 4900.
Order from LC or SLA m\$1.80, ph\$1.80 61-15175

Trans. of Izvestiya Vysshikh Uchebnykh Zavedeniy.
Tekhnologiya Tekstil'noy Promyshlennosti (USSR) 1959,
v. 3, no. 10, p. 88-95.

A method is described by which P^{32} is to be used for
investigating the irregularities due to drawing on
drawing frames, slubbing frames, and spinning ma-
chines in worsted spinning as a function of the num-
ber of doublings, the construction of the drawing
frame, and the composition of the roving.

(Materials--Textiles, TT, v. 5, no. 4)

1. Phosphorus isotopes
(Radioactive)--Applications
2. Fibers--Processing
3. Woolen textiles--Processing
4. Title: Spinning
1. Protasova, V. A.
- II. CSIRO Trans-4900
- III. Commonwealth Scientific
and Industrial Research
Organization (Australia)

143,335

Office of Technical Services

Determination of the Yarn ~~Speed~~ at the Tip of the
Unwinding Balloon of the M-150 Winding Frame,
by E. D. Efremov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved Tekh
Tekstil'noy Prom, Vol V, No 12, 1959, pp 104-110.

NLL RTS 2343(Loan)

Sci
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RJ-5638 THE EFFECT OF STRUCTURE ON THE STRENGTH OF TWISTED
COTTON THREAD, L. Sh. Glikman, Izvest. Vysshikh
Ucheb. Zavedenii, Tekhnol. Tekstil. Prom. 1960, No.
5 (16), 9-13.
2300 W; 3 F; 2 R \$ 9.45 (\$1.25)

Deformation Resistance of Carbon Steels, by
L.D. Sololov.
RUSSIAN, per, Izv Vyssh Ucheb Zaved Chern Metall,
Vol 10, 1963,
pp 62.
CRL/D.706
Vol 17, No 3, 1969

July 69

385-220

Effect of Tensioner Devices on the Breathing Rate
in Breathing and Sleeping, by N. P. Kozlov.

RUSSIAN, 1961, Iz Voprosov Ucheb. Razved: 1961, Tekhnicheskii
Prilozhenie Vol. 1, 1961, pp 60-64.

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Sci-Ingr
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Selecting Rationalized Equipment in the Manufacture
of Textile Machinery, by E. I. Glushchenko.

RUSSIAN, par, in Vysch Ucheb Zavod: Tekh Tekstil'noi
Promy Vol I, 1961, pp 153-161.

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Method of Increasing the Productivity of
Carding Machines, by G. I. Karasev.

RUSSIAN, per, Iz Vyssh Ucheb Zaved: Tekh
Tekstil'noi Promy, Vol IV, 1961, pp 47-53.

GB/112/TR/362 - ALL

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R-5474-D

RUSSIAN, per, Iz VU^ZA Tekh Tekstil Prom,
No 5, 1961, pp 93-97; 98-116; 48-54.

*JPRS/FSTC

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On Dyeing Synthetic Fibers. Report No 12,
Study of the Process of Dyeing "Lavsan" by
Means of the Formation on it of Azo Dyes
that are Insoluble in Water, by A. A. Kaharkharov.
RUSSIAN, rpt, Izvestiya Vysshikh Uchebnykh
Zavedenii. Tekhnologiya i Tekstilnoi Promyshlennosti,
No 5, 1961, pp 105-112.
NTC-71-12691-11E

Nov 71

Analysis of the Fineness (or Mass) Variation
of Viscose Filament Yarn, by F. Sadykova.
RUSSIAN, per, Izvestiya Vysshikh Uchebnykh
Zavedeni, Tekhnol. Tekstil. Prom., No 6,
1962, pp 18-24.

Sci -
Jul 67

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63-10830

I. Koritskil, K. I.

Koritskil, K. I.
THE ESTIMATION OF THE BREAKING CHARACTERISTICS OF VISCOSE TIRE CORD. 14 Dec 62
[16]p. 4 refs.
Order from OTS or SLA \$1.60 63-10830

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii
[Tekhnologiya Tekstil'noi Promyshlennosti] (USSR)
1962 [v. 6] no. 1, p. 42-49.

DESCRIPTORS: *Failure (Mechanics), *Viscose,
*Fibers, Tires, Mathematical analysis, Mathematical
prediction, Fibers (Synthetic).

When specifying the breaking characteristics of cord
yarn, it is necessary to use the equation of the final
section of the extension curve for complex yarn and the
calculated values of the angles of inclination of the
strands to the cord axis and that of the fibers to the
(Materials--Textiles, TT, v. 9, no. 12) (over)

Office of Technical Services

63-24077

Androsov, V. F.
USE OF VAT SOLS FOR DYEING WOOL. (Primenenie
Kubozolei dlya Krasheniya Shersti) tr. by B. Ribush.
[1963] [13p] (foreign text included) 12refs [CSIRO]
Trans. no. 6266.
Order from OTS or SLA \$1.60 63-24077

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
Tekhnologiya Tekstil'noi Promyshlennosti (USSR) 1962
[v. 6] no. 2, p. 85-90.

DESCRIPTORS: *Woolen textiles, *Dyeing, Fibers,
Colors, Mixtures.

Determination was made of the optimum formulae and
regimes for dyeing wool fibre with vat sols and develop-
ing the colours by the chromate method. The recom-
mended formulae and regimes for dyeing wool with
Russian-made vat sols have proved themselves in
(Materials--Textiles, TT, v. 10, no. 12) (over)

- I. Title: Vat sols
- I. Androsov, V. F.
- II. CSIRO Trans-6266
- III. Commonwealth Scientific
and Industrial Research
Organization (Australia)

Office of Technical Services

Preparation of Cotton Marl Yarn for Weaving
Without Sizing, by V. M. Tyugin.

RUSSIAN, per, Iz Vysshikh Ucheb. Zaved Tekh
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NLL Ref: 5828.4 1963, (5,247)
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Usenko, V. A. and Gulyanova, F. M.
THE EFFECT OF VARIOUS TECHNOLOGICAL
FACTORS IN THE PRODUCTION OF TRIACETATE
FILAMENTS ON THEIR PHYSICAL/MECHANICAL
PROPERTIES. [4 Dec 63] 1ref
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(Materials--Textiles, TT, v. 12, no. 4)

TT-64-10930

I. Usenko, V. A.
II. Gulyanova, F. M.

Office of Technical Services

Abrasion Resistance of Summer-weight Dress
Fabrics, by B. D. Semak.
RUSSIAN, per, Izvestiya Uchebnykh Zavedenii,
Tekhnol. Tekstil. Prom., 1963, pp 24-29.
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Jul 67

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Comparative Analysis of the Equations Proposed
for the Calculation of the Strength of Viscose
Cord Yarns, by I.I. Feiman.
RUSSIAN, per, Iz. V.U.Z. Zaved. Tekhnol Tekstil
Prom, 1963, vol. 7, no. 1, pp. 27-33.
SLA-TT-64-18748

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Light Industry, ~~no 3, 1963, pp 3-10, 40-50~~

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Drive of Speed Frames, by K.S. Shishlo.
RUSSIAN, per, Izvest Vuz Tekh Tekh Prom, No 4, 1963,
pp 30-126
GE 112/TR/460

Sci -
Aug 67 336,700

DETERMINING Concentration of Dyes on
Colored Fabrics by means of Spectra of
Reflection, by L. A. Volodina.
RUSSIAN, Ser. Iz VUZ, Tekh Tekstil Prom.,
No 4, 1964, pp 97-104.
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ID 2204066365

Sci - Phys
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Selection of an Efficient Layout of the
Capron Dyeing Process, Using Active Vinyl
Sulfamidic Dyes, by L. A. Kovzhin.
RUSSIAN, per, Iz VUZ, Tekh Tekstil Prom.
No 4, 1964, pp 105-110.
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ID 2204066365

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Iz V.V.Z Tsvetnaya
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(DC-58)

Dependence of the Amount of "Carbon Foam" on the
Anode , Current Density in the Cryolite-Alumina
Fusions, by L. N. Antipin, 3 pp.

RUSSIAN, per, Izvestiya Vysshikh Uchebnykh
Zavedeniy, No 1, 1958, pp 107-115, and Tsvetnaya
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Sci - Chem
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The Refining of Aluminium by Distillation in the
Form of Subhalide Compounds, by A. I. Belyayev,
I. A. Firsonova.

RUSSIAN, per, Iz Vyssh Ucheb Zaved, Tsvet Metal, No 1,
1958, pp 116-120.

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Studying the Structure and Properties of Ternary Copper
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Solutions in the Presence of Lime, by V. D.
Ponomarev, V. S. Sazhin, 11 pp.

RUSSIAN, per, Iz Vysshikh Uchebnykh Zavedeniy.
Tsvetnaya Metallurgiya, No 2, 1958, Ordzhonikidze,
pp 92-100.

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Eci - Min/Met

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